



香港科技大學
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY



DEPARTMENT OF
MATHEMATICS
SCHOOL OF SCIENCE, HKUST

THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

Summer Research Program 2022

PG STUDENT SEMINAR

**Solving Phase Retrieval with Riemannian Optimization
Under Different Riemannian Metrics**

By

Mr. Junyi FAN

Abstract

Riemannian optimization especially Riemannian gradient descent is an appealing algorithm in optimization for lots of problems with non-convex constraint. In this talk, we focus on unifying major common methods in solving phase retrieval problem under the general frame work of Riemannian optimization. And we also talk about some results of our recent finding.

Date : 29 July 2022 (Friday)

Time : 11:00am

Zoom Meeting : <https://hkust.zoom.us/j/93769607831> (Passcode: 967270)

All are Welcome!